

# Joar Bertholdsson

Master of Science Student in Engineering Physics and Electrical Engineering, Year 4

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## Portfolio

[joar.bertholdsson.com](#)

- Modeling and controlling of vapor cycle systems in aeronautics
- Kalman filtering and control of quad tank system
- Object identification using point-clouds and YOLO

## Personal traits

Holistic Approach  
Autonomous & Driven  
Creative  
Analytical  
Communicative  
Attentive to Detail

## Software & Tools

Simulink  
OpenModelica  
SolidWorks  
Git  
LaTeX  
Microsoft Office Suite  
Google Workspace  
Linux

## Programming

MATLAB  
Python

## Languages

Swedish (Native)  
English (Professional)

## Work Experience

### Co-Founder

Apr 2025 - Present

[Helpy](#)

Co-led the technical and strategic direction of the company alongside our core team. My primary focus is for our app and website, transforming shared concepts into intuitive user experiences. This role heavily relies on cross-functional teamwork, collaborative problem-solving, and clear communication of goals and professional boundaries.

### Customer Service Representative

Jul 2021 - Aug 2022

[Klarna](#)

I increased the scope of my customer service role by developing Excel tools to analyze trends, visualize data, and streamline daily tasks for my colleagues. I collaborated within dynamic teams to consistently meet high standards for productivity, GDPR compliance, and service quality.

## Non-Profit Work

### Economics & Purchasing Manager

Aug 2025 - Jul 2026

[Student Association Mackapären, LTU](#)

Directed the organization's financial operations, managing a 800 tkr budget, cash-flow, and profit tracking. Concurrently, I engineered comprehensive automation tools using Excel for the entire purchasing pipeline, significantly reducing administrative overhead and establishing a highly efficient, long-term system for future managers.

### Chairman

Aug 2024 - Jul 2025

[Program Association MÄTFEL, LTU](#)

Led the association's board and oversaw all program-wide student activities. I manage the organizational budget, coordinate events, and drove collaborations with other student groups, strengthening my ability to execute complex projects and lead teams effectively.

## Education

### Master of Science in Engineering Physics and Electrical Engineering

Aug 2022 - Present

[Luleå University of Technology](#)

At LTU, I study Engineering Physics and Electrical Engineering, a Master of Science engineering program with a strong focus on mathematics and physics.